







Offsets Overview

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What is an offset?

Mitigation of emissions <u>outside the</u> <u>compliance cap</u> that can be used by a capped entity to offset its own emissions













Why are offsets needed?

- Provide added flexibility for compliance
- Lowers cost by bringing in lower cost mitigation and early supply (bridge)
- Provides market liquidity
- Brings in additional players to the mitigation portfolio (e.g., US forestry, Brazil, methane capture,...)
- Possible environmental co-benefits

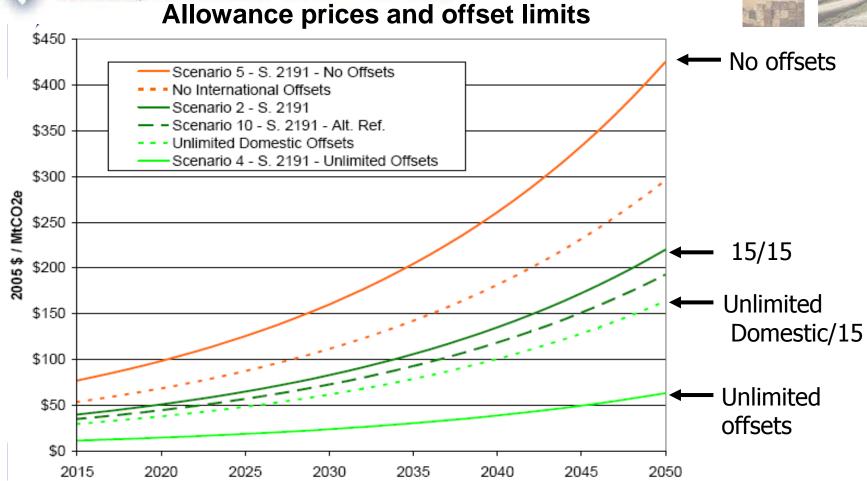












Alternative offset scenarios

EPA Analysis of the Climate Security Act of 2008: S. 2191 (March 2008) Available at http://www.epa.gov/climatechange/downloads/s2191_EPA_Analysis.pdf











General Offset Issues: California

- AB 32: Strict Criteria for acceptable offsets
- Limits imposed by scoping plan
- "Make or buy"
 - Offset credits issued by ARB based on own protocol/methodologies
 - Linkage with other systems/standards









Issues for ARB to address if setting own offset protocol

- Eligibility
 - Sector
 - Region
 - Cutoff dates
- Process from methods approval through credit issuance
- Crediting periods
- Technical issues
 - Additionality
 - Permanence
 - Leakage
- Verification and enforcement









Issues if CA links

- Requirements (e.g., agreements, MOUs, delinking)
- Linking candidates
 - Short term
 - Medium term
- Enforcement and Liability











Other critical issues

- Offset Supply
 - Where will the credits come from?
 - What volume?
- Connection between offset choices and price collar options
 - How quickly can offsets surface to contain prices?